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AGYPATENT

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electrodes, a cover removably positionable on the base and securable to an electrostatic separator, and a plurality of fastening members selectively engageable with their respective electrodes for maintaining same at selected stable positions.

In triboelectric plate separators, the first spark induction power conditioner may be connected in series between a high voltage power source and a positive plate electrode of the separator to more effectively attract negatively charged particulate materials to a positive plate electrode. Alternately, the first spark induction power conditioner may be connected in series between a high voltage power source and a negative plate electrode to more effectively attract positively charged particulate materials to a negative plate electrode. In triboelectric separators including a plurality of plate electrodes, the first and second spark induction power conditioners may be connected in series between a high voltage power source and a plurality of positive or negative plate electrodes, respectively.

In electrostatic plate separators, the first spark induction power conditioner may be connected in series between a high voltage power source and a lifting electrode of an electrostatic separator.

#### BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING

The novel features believed to be characteristic of this invention are set forth with particularity in the appended claims. The invention itself, however, both as to its organization and method of operation, together with further objects and advantages thereof, may best be understood by reference to the following description taken in connection with the accompanying drawings in which:

FIGS. 1A and 1B are perspective views showing a spark induction power conditioner with and without a cover secured thereto, respectively, in accordance with the present invention;

FIG. 2 is a top plan view of FIG. 1A;

FIG. 3 is an end view of FIG. 1B;

FIG. 4 is an enlarged cross-sectional view of FIG. 3, taken along line 4-4;